

What Is Claimed Is:

1. A method for treating exhaust gas from cement manufacturing equipment, comprising:

5 (A) a step of treating exhaust gas from cement manufacturing equipment by using dust collection means to collect dust containing chlorinated organic compounds, and discharging the exhaust gas after the treatment by said dust collection means; and

10 (B) a step of charging at least part of the collected dust into a place having a temperature of at least 800°C inside said cement manufacturing equipment.

2. The method for treating exhaust gas from cement manufacturing equipment according to claim 1, further comprising  
15 (C) a step of charging the remainder of the dust from step (B) into a place having a temperature below 800°C inside said cement manufacturing equipment.

20 3. The method for treating exhaust gas from cement manufacturing equipment according to claim 2, wherein the amount of the dust to be charged in step (B) is set such that, under conditions of supplying the dust continuously in each of step (B) and step (C), the concentration of chlorinated organic compounds in the exhaust gas after the treatment by said dust  
25 collection means decreases with the lapse of time.

4. The method for treating exhaust gas from cement

manufacturing equipment according to claim 3, wherein the amount of the dust to be charged in step (B) is set such that, at the time that the treatment by said dust collection means is commenced in step (A), the content of chlorinated organic compounds  
5 contained in the dust to be charged in step (B) is larger than the content of chlorinated organic compounds contained in the exhaust gas after the treatment by said dust collection means in terms of mass per unit time.

10           5. The method for treating exhaust gas from cement manufacturing equipment according to claim 1, wherein the exhaust gas from said cement manufacturing equipment is treated using said dust collection means installed at a site where the temperature of the exhaust gas is 30 to 400°C.

15           6. The method for treating exhaust gas from cement manufacturing equipment according to claim 2, wherein the exhaust gas from said cement manufacturing equipment is treated using said dust collection means installed at a site where the  
20 temperature of the exhaust gas is 30 to 400°C.

          7. The method for treating exhaust gas from cement manufacturing equipment according to claim 3, wherein the exhaust gas from said cement manufacturing equipment is treated using  
25 said dust collection means installed at a site where the temperature of the exhaust gas is 30 to 400°C.

8. The method for treating exhaust gas from cement manufacturing equipment according to claim 4, wherein the exhaust gas from said cement manufacturing equipment is treated using said dust collection means installed at a site where the  
5 temperature of the exhaust gas is 30 to 400°C.

9. A system for treating exhaust gas from cement manufacturing equipment, comprising a suspension preheater for preheating cement raw materials, a rotary kiln for cement clinker  
10 firing connected to a bottom part of said suspension preheater, an exhaust gas passage for discharging exhaust gas generated during the cement clinker firing, and dust collecting equipment that is connected to the exhaust gas passage and is for collecting dust containing chlorinated organic compounds in the exhaust gas;  
15 wherein the system further comprises dust feeding means for charging at least part of the dust collected by said dust collecting equipment into at least one place selected from parts inside said suspension preheater capable of reaching a temperature of at least 800°C, and said rotary kiln.

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10. A system for treating exhaust gas from cement manufacturing equipment, comprising a suspension preheater for preheating cement raw materials, a rotary kiln for cement clinker firing connected to a bottom part of said suspension preheater,  
25 a pre-calciner between said suspension preheater and said rotary kiln, an exhaust gas passage for discharging exhaust gas generated during the cement clinker firing, and dust collecting equipment

that is connected to the exhaust gas passage and is for collecting dust containing chlorinated organic compounds in the exhaust gas;

wherein the system further comprises dust feeding means for charging at least part of the dust collected by said dust  
5 collecting equipment into at least one place selected from parts inside said suspension preheater capable of reaching a temperature of at least 800°C, said pre-calciner, and said rotary kiln.

11. The system for treating exhaust gas from cement  
10 manufacturing equipment according to claim 9, further comprising dust conveying means for charging at least part of the remainder of the dust collected by said dust collecting equipment into a place on a cement raw materials inlet side at a distance from the parts inside said suspension preheater capable of reaching  
15 a temperature of at least 800°C.

12. The system for treating exhaust gas from cement  
manufacturing equipment according to claim 10, further comprising  
20 dust conveying means for charging at least part of the remainder of the dust collected by said dust collecting equipment into a place on a cement raw materials inlet side at a distance from the parts inside said suspension preheater capable of reaching a temperature of at least 800°C.

25 13. The system for treating exhaust gas from cement manufacturing equipment according to claim 9, wherein said exhaust gas passage is provided so as to be able to collect exhaust gas

that has passed through said suspension preheater.

14. The system for treating exhaust gas from cement manufacturing equipment according to claim 10, wherein said  
5 exhaust gas passage is provided so as to be able to collect exhaust gas that has passed through said suspension preheater.

15. The system for treating exhaust gas from cement manufacturing equipment according to claim 11, wherein said  
10 exhaust gas passage is provided so as to be able to collect exhaust gas that has passed through said suspension preheater.

16. The system for treating exhaust gas from cement manufacturing equipment according to claim 12, wherein said  
15 exhaust gas passage is provided so as to be able to collect exhaust gas that has passed through said suspension preheater.